

PROGRAM

TUESDAY, 28 OCTOBER 2014

18:00 Social get-together @ UNI PUB, The Lounge (3rd floor),
17 London Circuit, Canberra
Drinks and food available on order (self-funded)

WEDNESDAY, 29 OCTOBER 2014

Oliphant Bldg Seminar Room, Research School of Physics and Engineering, Australian National University, Canberra

09:00 - 09:20 Arrival & Registration

09:20 - 09:30 Welcome & Introduction by Dr Ben Cumming (CUDOS)
Centre for Micro-Photonics, Swinburne University of Technology

09:30 - 10:00 Dr Lu Hua
Centre for Micro-Photonics, Swinburne University of Technology
Integrated plasmonic detectors: Introduction and review

10:00 - 11:00 A/Prof Kylie Catchpole
College of Engineering and Computer Science, The Australian National University
Scattering, near-field enhancement and charge injection for plasmonic enhancement of solar cells

11:00 - 11:15 MORNING TEA

11:15 - 12:15 Prof Jarek Antoszewski (Antoshevski)
Microelectronics Research Group (MRG), The University of Western Australia
HgCdTe based IR Photodetectors

12:15 - 13:15 LUNCH

13:15 - 14:15 Dr Chandra Natarajan
School of Engineering, University of Glasgow, United Kingdom
Superconducting nanowire single-photon detectors: physics and applications

14:15 - 14:45 Dr Manuel Decker (CUDOS)
Nonlinear Physics Centre, The Australian National University
Integration of functional plasmonic elements with on-chip optical waveguides

14:45 - 15:00 Mr Alireza Maleki (CUDOS)
MQ Photonics Research Centre, Macquarie University
Curved gratings for coupling and focusing surface plasmon waves

15:00 - 15:15 AFTERNOON TEA

15:15 - 16:00 Mr Patrik Rath
Institute of Nanotechnology, Karlsruhe Institute of Technology, Germany
Travelling wave superconducting nanowire single photon detectors

16:00 - 16:30 Dr Qiming Zhang (CUDOS)
Centre for Micro-Photonics, Swinburne University of Technology
Graphene plasmonics and photo-detection

16:30 - 17:00 Moderated discussion by Prof Martijn de Sterke
CUDOS Associate Director, University of Sydney

17:00 - 17:05 Closing Remarks by Dr Isabelle Staude
Nonlinear Physics Centre, Australian National University



CUDOS TOPICAL WORKSHOP SERIES

2014/2015

Proactive Careers Management	Sydney	30 October 2014
Hyperbolic Metamaterials	Canberra	4 - 5 December 2014
Topological Photonics	Sydney	16 - 19 February 2015 <i>incorporated into Annual Workshop</i>
Nonlinear Quantum Photonics	Sydney	25 February 2015
IPKISS Workshop	Melbourne	23 - 24 February 2015
Optomechanics and Brillouin Scattering (WOMBAT)	Sydney	July 2015 (TBC)

Visit our website for further information:

http://www.cudos.org.au/calendar/topical_workshops.shtml